

Converting Colors

XYZ(66.7415, 77.9154, 83.9300)

Have a look what the booklet for
XYZ(66.7415, 77.9154, 83.9300)
contains.

XYZ(66.6550, 77.7165, 84.1607)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.6550, 77.7165,
84.1607)**

Conversions

Conversions Part 1

Format	Color
Hex	C3EDE3
RGB	195, 237, 227
RGB Percent	76%, 93%, 89%
CMY	0.2353, 0.0706, 0.1098
CMYK	0.18, 0.00, 0.04, 0.07
HSL	166°, 54%, 85%
HSV	166°, 18%, 93%
XYZ	66.6550, 77.7165, 84.1607
YIQ	223.3020, -21.8220, -12.0140

Conversions

Conversions Part 2

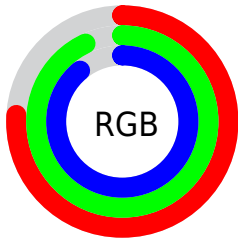
Format	Color
RYB	195, 219, 237
Decimal	12840419
CIELab	90.65, -15.48, 0.33
CIElCh	91, 15.480, 178.766
Yxy	77.7165, 0.2917, 0.3401
Android (android.graphics.Color)	4291030499 (0xFFC3EDE3)
YUV	223.3020, 1.8231, -24.8209
Hunter-Lab	88.1570, -19.3118, 5.1076

Details

The XYZ color **66.6550, 77.7165, 84.1607** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.4624, 61.4446, 66.1708**, and the grayscale version is **70.3543, 74.0182, 80.6058**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **34.9548, 41.6890, 45.2342** is the 20% darker color. If you saturate the color by 10%, you get **60.2448, 74.5026, 79.8616**, and if you desaturate by 10%, it is **74.0671, 81.4482, 88.6433**.

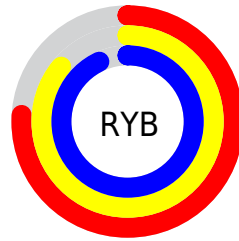
Distribution



Red (76%)

Green (93%)

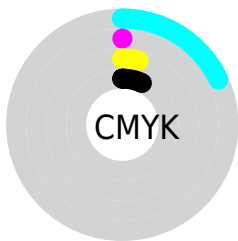
Blue (89%)



Red (76%)

Yellow (86%)

Blue (93%)

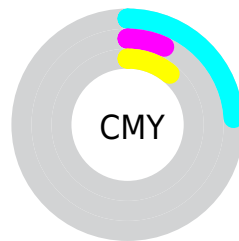


Cyan (18%)

Magenta (0%)

Yellow (4%)

Black (7%)



Cyan (24%)

Magenta (7%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6550, 77.7165, 84.1607 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 66.6550, 77.7165, 84.1607 by changing the saturation by 10% instead.

66.6550, 77.7165,
84.1607

66.6550, 77.7165,
84.1607

438.1676,
487.2035, 528.9187

49.0740, 57.8411,
62.6020

113.4785,
130.1504, 141.0637

34.8929, 41.6809,
45.0804

143.4516,
163.4777, 177.2450

23.7465, 28.8515,
31.1773

178.2861,
202.0578, 219.1376

15.2694, 18.9685,
20.4743

218.3475,
246.2750, 267.1600

9.0962, 11.6475,
12.5528

264.0009,
296.5138, 321.7308

4.8616, 6.5042,
6.9942

315.6118,

2.2002, 3.1540,

353.1586, 383.2685

3.3801

373.5456,
416.5937, 452.1916

0.7429, 1.2127,
1.2918

0.0000, 0.0720,
0.0551

66.6550, 77.7165,
84.1607

66.6550, 77.7165,
84.1607

60.2448, 74.5026,
79.8616

74.0671, 81.4482,
88.6433

54.7839, 71.7730,
75.7374

82.5175, 85.7100,
93.3074

50.2248, 69.5054,
71.7862

87.8448, 88.3589,
97.9612

46.5133, 67.6720,
68.0042

88.7150, 88.7069,
102.5434

■ 43.5892, 66.2415,
64.3872

■ 89.5756, 89.0512,
107.0752

■ 41.3840, 65.1789,
60.9307

■ 39.8174, 64.4427,
57.6297

■ 38.7808, 63.9771,
54.4775

■ 38.5810, 63.8894,
53.7785

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6685, 77.7165, 74.0150



66.6550, 77.7165, 84.1607



67.5170, 77.7165, 95.3270

Triad

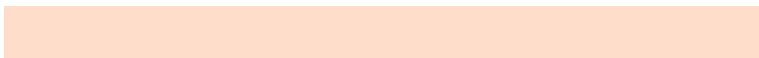
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.6550, 77.7165, 84.1607



77.5168, 77.7165, 104.7706



77.8046, 77.7165, 67.6301

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



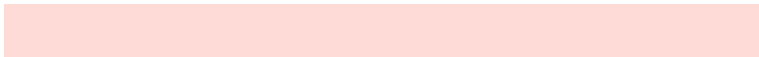
66.6550, 77.7165, 84.1607



65.4624, 61.4446, 66.1708

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6036, 77.7165, 74.7464



66.6550, 77.7165, 84.1607



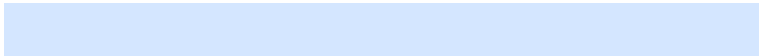
80.4334, 77.7165, 96.1926

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



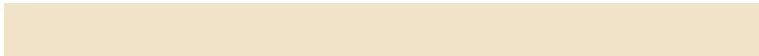
66.6550, 77.7165, 84.1607



73.7066, 77.7165, 107.8353



81.5817, 77.7165, 85.0811



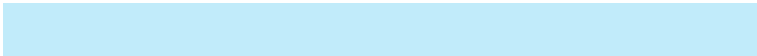
74.0280, 77.7165, 65.0015

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.6550, 77.7165, 84.1607



69.0569, 77.7165, 101.7309



81.5817, 77.7165, 85.0811



78.8958, 77.7165, 69.5442

Sweetspot

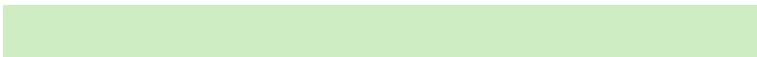
The Sweet Spot groups the original color and five complimentary colors.



66.6572, 77.7197, 84.1624



90.0287, 97.4675, 106.1332



65.4520, 77.5622, 63.1524



19.1242, 20.7886, 22.6346



0.0000, 0.0000, 0.0000



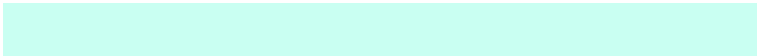
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6572, 77.7197, 84.1624



76.0327, 90.4256, 97.6453



65.1267, 72.3844, 90.6635



15.3554, 17.0570, 18.5541



21.1165, 34.9011, 29.6425



1.6950, 2.7553, 2.5218

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.4624, 61.4446, 66.1708



74.3953, 68.1088, 72.9798



66.7291, 65.8492, 60.8243



15.2125, 15.1129, 16.4043



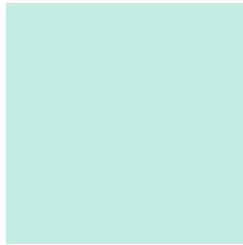
19.5060, 10.0051, 3.2000



1.5683, 0.8003, 0.4443

Previews

White Background



This preview shows how the XYZ color 66.6550, 77.7165, 84.1607 looks on a white background.

Color Contrast Check

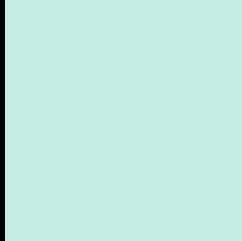
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 66.6550, 77.7165, 84.1607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

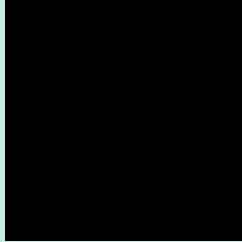
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

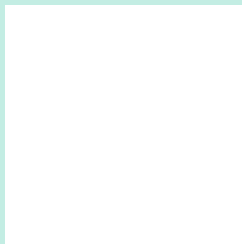
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6550, 77.7165, 84.1607

Background



This preview shows how black text looks on a background with the XYZ color 66.6550, 77.7165, 84.1607.

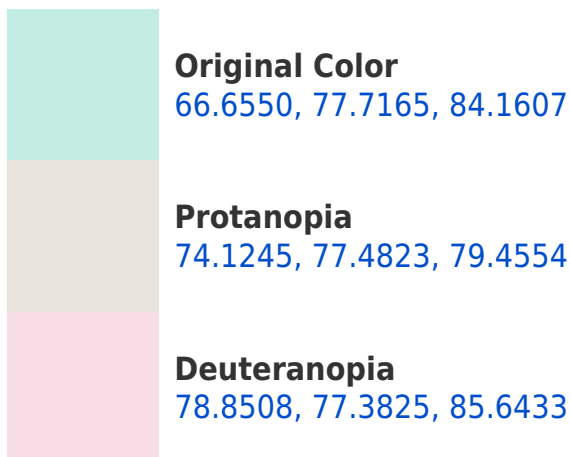


This preview shows how white text looks on a background with the XYZ color 66.6550, 77.7165,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

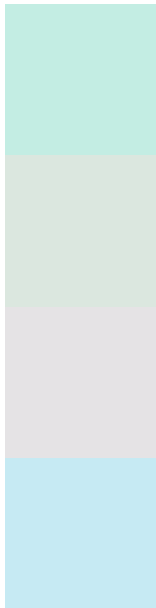




Tritanopia

70.5290, 77.5855, 103.3537

Trichromacy



Original Color

66.6550, 77.7165, 84.1607

Protanomaly

71.1086, 77.5396, 81.0309

Deuteranomaly

73.9250, 77.2533, 85.1439

Tritanomaly

68.8892, 77.3225, 96.0879

Monochromacy



Original Color

66.6550, 77.7165, 84.1607

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.6385, 75.0148, 81.3827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6550, 77.7165, 84.1607 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(195, 237, 227)` looks like.

```
.text, #text, p{  
    color:rgb(195, 237, 227)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(195, 237, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 237, 227) }
```

Border

The CSS property to change the border of an element to XYZ 66.6550, 77.7165, 84.1607 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 237, 227) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(195, 237, 227) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(195, 237, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 237, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 237, 227);  
box-shadow:4px 4px 4px 4px rgb(195, 237,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6550, 77.7165, 84.1607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 237, 227) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(195,  
237, 227) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor